

### ABSTRACT OF THE DISCLOSURE

A methanol reforming catalyst that generates a reformed gas containing hydrogen by reforming methanol in the atmosphere containing oxygen and steam contains a metal oxide support and Pd-Zr alloy with which the metal oxide support is impregnated. The reforming catalyst accelerate a steam reforming reaction of the methanol as an endothermic reaction and a partial oxidation reaction of the methanol as an exothermic reaction while suppressing generation of CO gas. Also, a methanol reforming apparatus having the methanol reforming catalyst does not need a heater for the reforming reaction.

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